

hKv1.1LOOP QILGQTLKASMRELGL
hKv1.2LOOP QILGQTLKASMRELGL
hKv1.3LOOP QILGQTLKASMRELGL
hKv1.5LOOP QILGKTLQASMRELGL
hKv1.6LOOP QILGKTLQASMRELGL
hKv1.4LOOP QILGHTLQASMRELGL
hKv3.4LOOP RVLGHTLRASLTNEFL

FIG. 1

2010 RELEASE UNDER E.O. 14176

hKv β 1N -MQVISIACTEHNLKSRINGEDRILLSKQSSTAP-
hKv β 1bN MHLYKPACADIP-SPKLGLPKSSESALKCRW-
hKv β 3N MHLYKPACADIP-SPKLGLPKSSESALKCRW-
hKv3.4N --MISSVCVSSYRGRKSGNKPPSKITCLKEEMA
hKv β 1CN -MLAARTGAAGSQISEENTKLRRQSGF-SVAG-
hKv1.4N -MEVAMVSAESS-GCNSHMPYGYAAQARER

FIG. 2

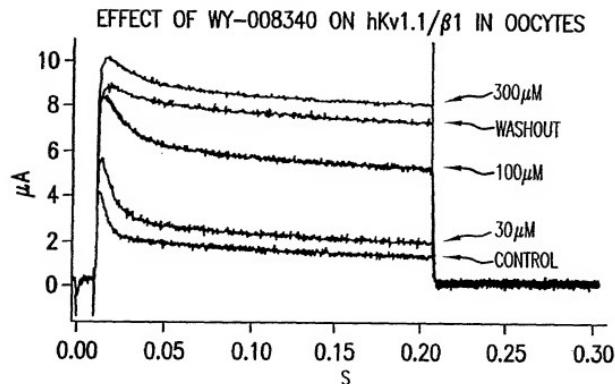


FIG. 3A

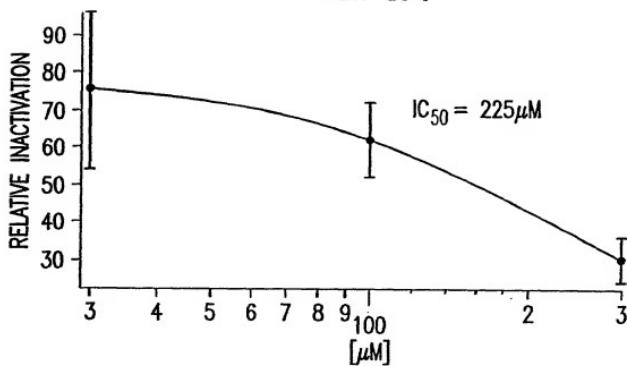


FIG. 3B

	REL. INACTIVATION		CURRENT AMPLITUDE	
	MEAN	SEM	MEAN	SEM
CONTROL	100.00	0.00	100.00	0.00
30 μ M	75.23	20.86	118.40	16.30
100 μ M	61.99	9.67	174.64	16.58
300 μ M	29.59	5.48	205.53	34.03
WASHOUT	24.90	6.73	188.27	31.18

n = 3,4

FIG. 3C

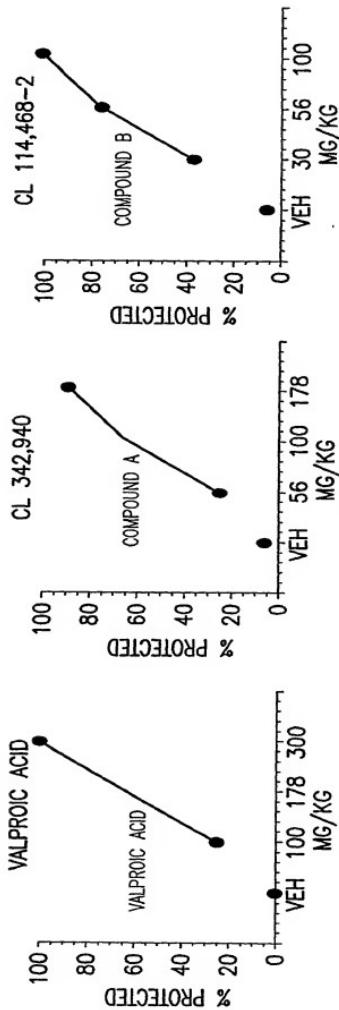


FIG. 4C

FIG. 4B

FIG. 4A